

Form PTO-1449 (modified) List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Atty. Docket No. UTSC584	Serial No. 09/122,427
	Applicant Yiyu Zou et al	
	Filing Date: 07/24/98	Group:
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 1	Other Art See Page 1

10518 U.S. PTO
 09/122427
 07/24/98

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
<i>W</i>	A1	4,855,090	8/8/89	Wallach	264	4.1	
	A2	4,911,928	3/27/90	Wallach	424	450	

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
<i>W</i>	B1	WO86/00238	1/16/86	WIPO	B01D	13/00	
	B2	0 220 797 A2	5/6/87	Europe	A61K	9/50	Yes
	B3	0 140 085 A2	5/8/85	Europe	A61K	9/50	Yes
	B4	0 193 414 A2	9/3/86	Europe	A61K	9/50	Yes
	B5	WO92/11842	7/23/92	PCT	A61K	9/127	Yes
	B6	JP6293615	8/25/92	Japan	—	—	
	B7	JP6227966	1/29/93	Japan	—	—	
	B8	JP6183953	6/24/91	Japan	—	—	
	B9	WO89/11850		PCT	—	—	
	B10	6-227966		Japan	—	—	Yes
	B11	6-183953		Japan	—	—	Yes
	B12	60-155109		Japan	—	—	Abstract

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
<i>W</i>	C1	Japanese Abstract, JP 62-93615 A (Nippon Oils & Fats Co. Ltd.), Oct. 21, 1994

EXAMINER:

W

DATE CONSIDERED:

2/97

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (Modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	Atty Docket No. <u>UTSC584</u>	Serial No.
	Applicant <u>Yiyu Zou et al</u>	
	Filing Date <u>07/24/98</u>	Group

Reference Designation			U. S. Patent Documents				
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
<u>law</u>	AA 5,178,875	1/12/93	Lenk et al	424	450	1/14/91	
	AB 5,132,290	7/21/92	Priebe et al	514	34	5/30/89	
	AC 5,032,404	7/16/91	Lopez-Berestein	424	450	2/23/89	
	AD 4,999,199	3/12/91	Anaissie et al	424	450	11/10/88	
	AE 4,950,432	8/21/90	Mehta et al	264	4.6	10/16/87	
	AF 4,863,739	9/5/89	Perez-Soler et al	424	450	5/19/87	
	AG 4,812,312	3/14/89	Lopez-Berestein	424	417	3/3/87	
	AH 4,537,882	8/27/85	Horton et al	514	34	5/10/84	
	AI 4,311,712	1/19/82	Evans et al	424	365	8/20/79	
	AJ 4,201,773	5/6/80	Horton et al	424	180	7/26/78	
	AK 4,522,803	6/11/85	Lenk et al	424	1.1	3/24/83	

FOREIGN PATENT DOCUMENTS							Translation Yes/No
Examiner Initial	Document Number	Date	Country	Class	Subclass		
<u>law</u>	AL 0,282,405	9/14/88	European	—	—		
	AM 6,183,953	7/5/94	Japan	—	—	Abstract	
	AN 6,227,966	8/16/94	Japan	—	—	Abstract	
	AO 0,613,685	9/7/94	Europe	—	—	Abstract	
	AP 2,700,954	8/5/94	France	—	—	Abstract	

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)

<u>law</u>	AR	Perez-Soler et al, "Anthracycline Antibiotics with High Liposome Entrapment: Structural Features and Biological Activity," Cancer Research 50: 4260-4266 (July 15, 1990).					
	AS	Zou et al, "Antitumor Activity of Free and Liposome-entrapped Annamycin, A Lipophilic Anthracycline Antibiotic with Non-Cross-Resistance Properties," Cancer Research 54:1479-1484 (March 15, 1994).					
	AT	McCutcheon's "Emulsifiers & Detergents," Vol. 1, p. 201, North American Edition (1993).					
	AU	Kronberg et al, "Preparation and Evaluation of Sterically Stabilized Liposomes: Colloidal Stability, Serum Stability, Macrophage Uptake, and Toxicity," J. Pharm. Sci., 79(8):667-671 (1990).					

Examiner Kuh Date Considered 3/99

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement

Atty Docket No.
UTSC584

Serial No.

Applicant

Yiyu Zou et al

Filing Date
07/24/98

Group

(Use several sheets if necessary)

Reference Designation			U. S. Patent Documents				Filing Date
Examiner Initial	Document Number	Date	Name	Class	Subclass	If Appropriate	
AA	4,558,579	12/17/85	Fountain et al	72	56	11/16/83	
AB	4,975,282	12/4/90	Cullis et al	424	450	11/17/87	
AC							
AD							
AE							
AF							
AG							
AH							
AI							
AJ							
AK							

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes/No
AL	WO 87/00238	1/16/86	PCT			
AM	87/00043	1/15/87	PCT			
AN	60-155109		Japanese			
AO						
AP						

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)

AR	Singer et al, "Time- and Dose-dependent Changes in Ejection Fraction Determined by Radionuclide Angiography After Anthracycline Therapy," Cancer Treatm. Rep., 62(6):945-948 (1978).					
	Herman et al, "Prevention of Chronic Doxorubicin Cardiotoxicity in Beagles by Liposomal Encapsulation," Cancer Res. 43:5427-5432 (1983).					
AS	Rahman et al, "A Phase I Clinical Trial and Pharmacokinetic Evaluation of Liposome-Encapsulated Doxorubicin," J. Clin. Oncol. 8:1093-1100 (1990).					
AT	Gabizon et al, "Prolonged Circulation Time and Enhanced Accumulation in Malignant Exudates of Doxorubicin Encapsulated in Polyethylene-glycol Coated Liposomes," Cancer Research 54:987-992 (1994).					

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement

(Use several sheets if necessary)

Atty Docket No.

UTSC584

Serial No.

Applicant

Yiyu Zou et al

Filing Date

07/24/98


Group

Reference Designation			U. S. Patent Documents				
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

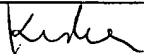
FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes/No
	AL					
	AM					
	AN					
	AO					
	AP					

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)

	AR	Thierry et al, "Effect of Liposomes on P-glycoprotein Function in Multi-drug Resistant Cells," Biochem. Biophys. Res. Comm. 187:1098-1105 (1992).
	AS	Rahman et al, "Liposome-mediated Modulation of Multidrug Resistance in Human HL-60 Leukemia Cells," J. Natl. Cancer Inst. 84:1909-1914 (1992).
	AT	Mayer et al, "Influence of Vesicle Size, Lipid Composition, and Drug-to-Lipid Ratio on the Biological Activity of Liposomal Doxorubicin in Mice," Cancer Research 49:4922-5930 (1989).
	AU	Acton et al, "Intensely Potent Morpholinyl Anthracyclines," J. Med. Chem. 27:638-645 (1984).

Examiner



Date Considered

3/99

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

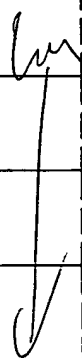
Information Disclosure Statement--PTO-1449 (Modified)
Added page

Form PTO-1449 (Modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	Atty Docket No. UTSC584	Serial No.
	Applicant Yiyu Zou et al	
	Filing Date 07/24/98	Group

Reference Designation			U. S. Patent Documents				
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes/No	
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)

	AR	Priebe et al, "Removal of the Basic Center From Doxorubicin Partially Overcomes Multidrug Resistance and Decreases Cardiotoxicity," Anticancer Drugs 4:37-48 (1993).
		Barbieri et al, "Chemical and Biological Characterization of 4'-iodo-4'-deoxydoxorubicin," Cancer Research 47:4001-4006 (1987).
	AS	Perez-Soler et al, "Cellular Pharmacology of the Partially Non-Cross-Resistant Anthracycline Annamycin Entrapped in Liposomes in KB and KB-VI
	AT	Cells," Cancer Research 34:109-118 (1994).
	AU	Perez-Soler et al, "Phase I Clinical and Pharmacology Study of Liposome-Entrapped Cis-bis-neodecanoato-trans-R,R-1,2-diaminocyclohexane-platinum (II)," Cancer Research 50:4254-4259 (1990).

Examiner  Date Considered 3/99

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement--PTO-1449 (Modified)
Added page

Form PTO-1449 (Modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	Atty Docket No. <u>UTSC584</u>	Serial No.
	Applicant <u>Yiyu Zou et al</u>	
	Filing Date <u>07/24/98</u>	Group

Reference Designation			U. S. Patent Documents				
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes/No	
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)

<div style="font-size: 2em; margin-left: 10px;"> M J ↓ </div>	AR	Murray et al, "Phase I Trial of Liposomal Muramyl Tripeptide Phosphatidylethanolamine in Cancer Patients," J. Clin. Oncol. 7:1915-1925 (1989).
	AS	Zou et al, "Organ Distribution and Tumor Uptake of Annamycin, A New Anthracycline Derivative with High Affinity for Lipid Membranes, Entrapped in Multilamellar Vesicles," Cancer Chemother. Pharmacol. 32: 190-196 (1993).
	AT	Zou et al, "Quantitative Analysis of the Lipophilic Doxorubicin Analogue Annamycin in Plasma and Tissue Samples by Reverse-Phase Chromatography," J. Pharmaceutical Sci., 82(11):1151-1154 (1993).
		Gu et al, "Study on the Polyphase Liposomes - A New Dosage Form for Anti-tumor Drugs. I Antitumor Activity Screening of Polyphase Liposome 139
	AU	and Others," Chinese Herb Medicine, 13(4):13-19 (1982).

Examiner <u>Kuh</u>	Date Considered <u>3/9</u>
---------------------	----------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement--PTO-1449 (Modified)

Added page

Form PTO-1449 (Modified) List of Patents and Publications For Applicant's Information Disclosure Statement	Atty Docket No. UTSC584	Serial No.
(Use several sheets if necessary)	Applicant Yiyu Zou et al	Filing Date 07/24/98
		Group

Reference Designation			U. S. Patent Documents				
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS							Translation Yes/No
Examiner Initial	Document Number	Date	Country	Class	Subclass		
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)	
W	AR Zou et al, "Stability and Some Other Important Physical Properties of Polysaccharides Polyphase Liposome (PPL)," Acta Pharmaceutica Sinica, 24(1):58-62 (1989).
	AS Young et al, "The Anthracycline Antineoplastic Drugs," N. Engl. J. Med., 305(3):139-153 (1981).
J	AT Pazdur et al, "Phase I Trial of Taxotere: Five-Day Schedule," J. Natl. Cancer Inst. 84:1781-1788 (1992).

Examiner

Date Considered

3/91

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement--PTO-1449 (Modified)
Added page